

# ABSTRACT OF THE DISCLOSURE

A GON-1 migration protein in *C. elegans* and a *gon-1* gene encoding same are disclosed. The protein, termed GON-1, shows structural similarity to a protein produced by an up-regulated RNA in an advanced tumor cell. Although the tumor cell protein has not previously been identified as having any role in cell migration, it is disclosed herein that the related GON-1 protein is required for cell migration and is involved in shaping tissues or organs. It is deduced that the protein is also a target for modulators of cell migration and tissue shaping.